

HAMZA SAYED-ALI

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TECHNICAL SKILLS

- Java, Python, C++, C, AWS, Git, HTML, CSS, JS

EXPERIENCE

Firmware Developer, Midnight Sun Solar Car Team

Waterloo, ON (Sept 2019 - Present)

- Collaborated with **40+** team members to write software and design **UX/UI** for solar car's electrical systems.
- Implemented driver display and infotainment screens with **HTML, CSS, and React**.
- Used **Finite State Machines** to build light blinker firmware in **C**.

Entrepreneur, RunFar Studios

Windsor, ON (Jun 2019 - Aug 2019)

- Designed professional websites utilizing **HTML, CSS, and JS** and hosted with **AWS**.
- Used **Git** version control to collaborate on projects with two co-workers.
- Created a business plan and produced marketing materials, **doubling** the number of clients from July to August.
- Awarded **\$3000** Summer Company Start-Up grant from the Windsor-Essex Small Business Center.

Prime Minister, Student Council

Windsor, ON (Sept 2015 - Jun 2019)

- Led **25** council members at weekly meetings to implement events and address student concerns.
- Organized school wide events for **2000+** students by creating event outlines and delegating jobs.
- Reversed a timetable change that would limit enrichment courses by negotiating with superintendents and director of the school board to vocalize students' opinions.

Lead Organizer, MasseyHacks

Windsor, ON (Mar 2016 - May 2018)

- Planned and managed activities of Canada's **largest** high school hackathon for **300+** participants and **50+** volunteers.
- Secured **\$2000+** in sponsorships from local companies.
- Promoted the event by creating social-media content, garnering **500+** applications.

PROJECTS

2D Java Platformer

- Utilized **Object Oriented Programming** to develop a 5-level side scroller game in **Java**.
- Implemented **UX/UI**, physics, animation, sound design and an interactive environment.

Paint NYC Program

- Developed an image editor in **Python**, including creative tools, effects, and a file manager.

ACTIVITIES

Director, Coffee House Committee

Windsor, ON (Sept 2017 – June 2019)

- Managed audio equipment, promoted, MC'ed, and performed original music at a monthly open mic event.

Head Executive, All Night Social Fundraiser

Windsor, ON (Sept 2016 – Nov 2018)

- Led executive team to plan **15** activities for overnight fundraiser event with **600+** attendees, raising **\$11,000+**.

Setter, Volleyball Team

Windsor, ON (Sept 2015 – Dec 2018)

- Played as starting setter for the high school volleyball team.

EDUCATION

University of Waterloo

(2019 – Present)

- Bachelor of Applied Sciences, Computer Engineering